

CLAIMS

What is claimed is:

1. A mobile communication device, comprising:
a printed wiring board assembly having at least one high-power noise-producing component and at least one noise sensitive component, said assembly further including signal traces;
means defining an electrically isolated area being configured to at least partially surround at least one of said components; and
means defining a gap in said area for receiving said traces for the partially surrounded at least one component.
2. A mobile communication device according to claim 1, wherein said isolated area partially surrounding said noise sensitive component.
3. A mobile communication device according to claim 2, wherein said noise sensitive component is an oscillator.
4. A mobile communication device according to claim 3, wherein said oscillator is a phase lock loop.
5. A mobile communication device according to claim 3, wherein said high-power component is a transmitter.
6. A mobile communication device according to claim 1, further including at least one capacitor connected bridging across said isolated area to serve as a high pass filter.
7. A mobile communication device according to claim 1, wherein said isolated area is in the form of a narrow band.
8. A mobile communication device according to claim 7, wherein said isolated area is generally U-shaped.
9. A mobile communication device according to claim 8, wherein said isolated area includes a first rectilinear area portion.

10. A mobile communication device according to claim 9, wherein said isolated area includes a second transverse rectilinear area portion extending from said first area portion.
11. A mobile communication device according to claim 10, wherein said isolated area includes a third transverse rectilinear area portion extending between said third area portion and said gap.
12. A mobile communication device according to claim 11, wherein said isolated area includes a fourth stub rectilinear area portion extending between said gap and a marginal edge of said wiring board assembly.
13. A method of making a mobile communication device, comprising:
forming an electrically isolated area at least partially surrounding at least one component on a printed wiring board assembly; and
forming a gap in said area for receiving traces for the at least partially surrounded component.